APPLIED MATHEMATICS AND COMPUTATION

VOLUME 90

TAKEHIRO INOHARA, SHINGO TAKAHASHI, AND BUNPEI NAKANO
On Conditions for a Meeting Not to Reach a Deadlock 1

TAKEHIRO INOHARA, SHINGO TAKAHASHI, AND BUNPEI NAKANO
Complete Stability and Inside Commonality of Perceptions 11

BEHNAM MALAKOOTI AND YINGQING ZHOU
Approximating Polynomial Functions by Feedforward Artificial Neural Networks: Capacity Analysis and Design 27

LING SHEN AND FERENC SZIDAROVSZKY
A Globally Convergent Algorithm for Solving Special Utilization Equations 53

MAGNUS EGERSTEDT AND CLYDE MARTIN
A Control Theoretic Model of the Combined Planar Motion of the Human Head and Eye 61

C. Y. CHAN AND S. I. YUEN
Impulsive Effects on Global Existence of Solutions for Degenerate Semilinear Parabolic Equations 97

FERENC SZIDAROVSZKY
Bargaining with Offer Dependent Break-Down Probabilities 117

SUSANA SALINAS DE ROMERO AND H. M. SRIVASTAVA
Some Applications of Fractional Calculus Involving Summation of Infinite Series 129

SHAIR AHMAD AND M. RAMA MOHANA RAO
Stability of Volterra Diffusion Equations with Time Delays 143

SHAIR AHMAD AND FRANCISCO MONTES DE OCA
Extinction in Nonautonomous T-Periodic Competitive Lotka-Volterra System 155

(Continued)

K. M. Mueller, S. A. Burns, and M. A. Savageau
A Comparison of the Monomial Method and the S-System Method for Solving Systems of Algebraic Equations 167

Luther W. White and Musharraf Zaman
A Simple Model for Fluid Accumulation and Flow in a Porous Medium 181

Cécile Bécarie
Intrinsically Parallel Solution of Systems of Linear Partial Differential Equations 205

Jun Zhang
Residual Scaling Techniques in Multigrid, II: Practical Applications 229

Tao Lin
A C^0 Finite Element Method for an Inverse Problem 253

Volume Contents